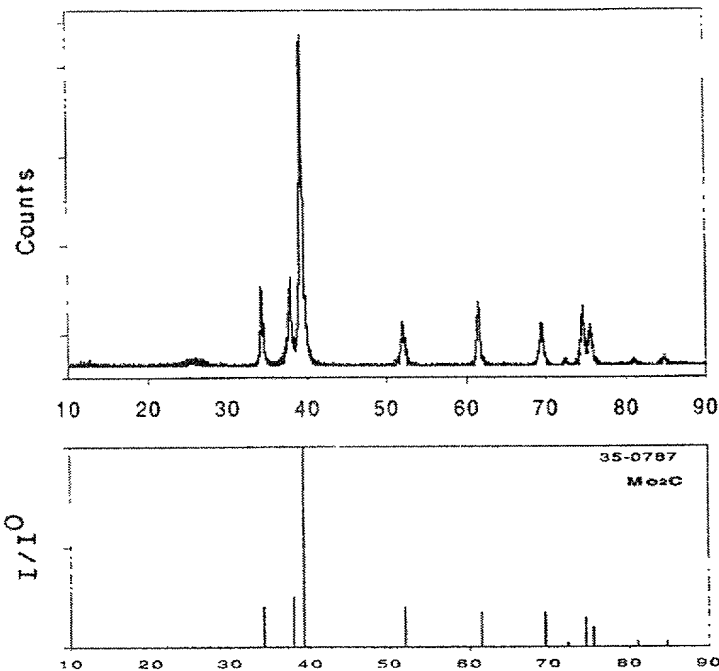


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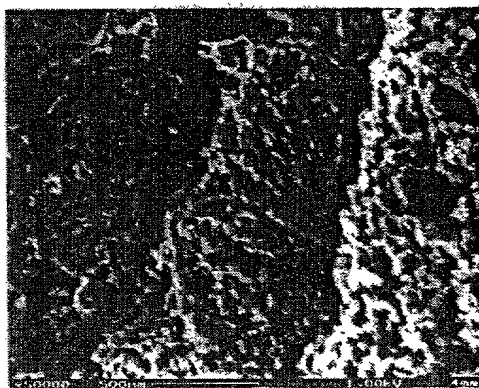
# **FIG.1A** XRD and SEM of CARBIDE NANORODS



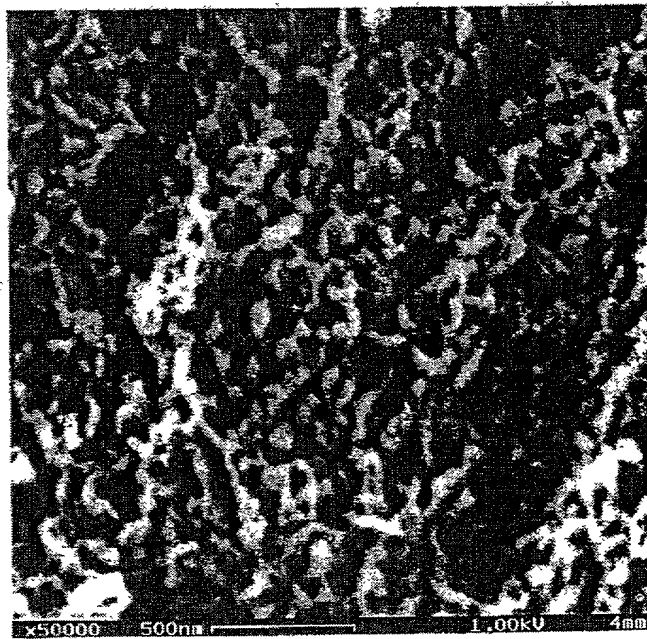
XRD, Sample 12

Reference XRD Pattern,  
hexagonal Mo<sub>2</sub>C

SEM Micrographs. Sample 12



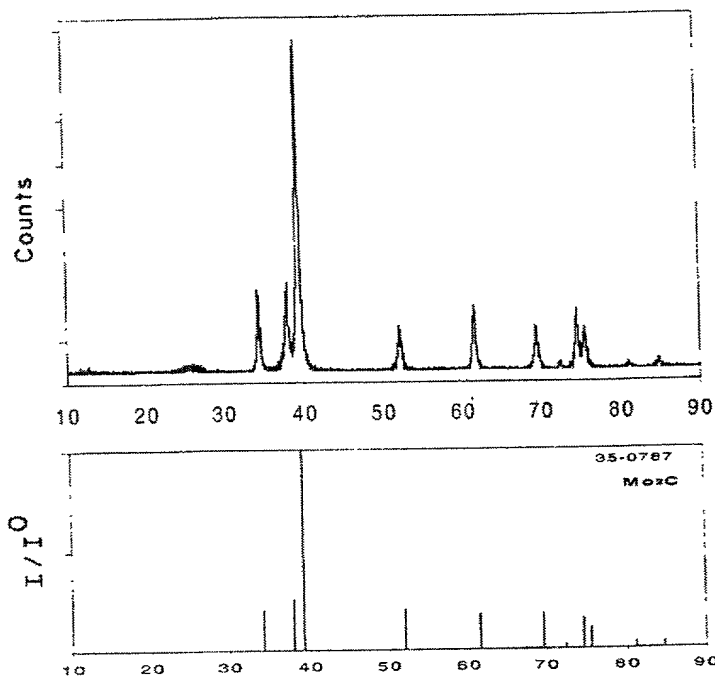
**FIG.1B**



**FIG.1C**

FIG. 1A XRD and SEM of CARBIDE NANORODS

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**FIG.2A** XRD and HRTEM of CARBIDE NANORODS



XRD. Sample 12

Reference XRD Pattern,  
hexagonal Mo<sub>2</sub>C



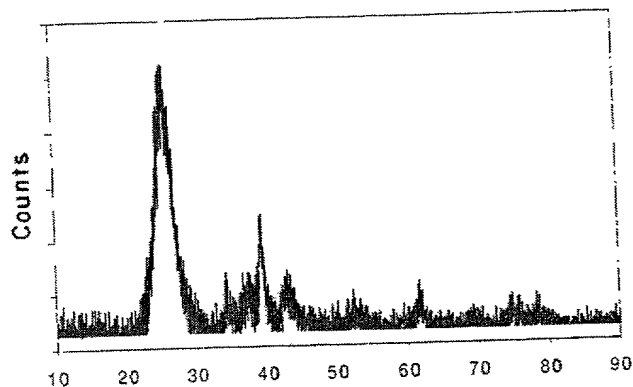
HRTEM Micrograph. Sample 12

**FIG.2B**

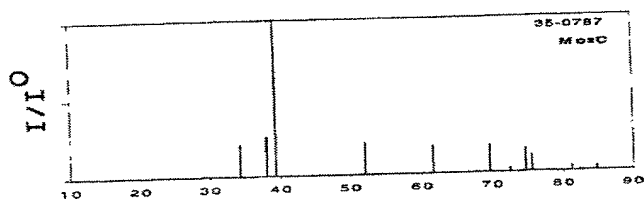
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# **FIG.3A** XRD and HRTEM of CARBIDE NANOPARTICLES SUPPORTED ON CARBON NANOTUBES

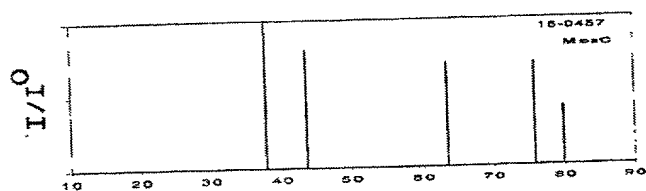
XRD. Sample 10



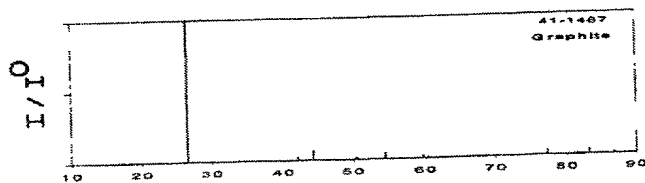
Reference XRD Pattern,  
hexagonal Mo<sub>2</sub>C



Reference XRD Pattern,  
cubic Mo<sub>2</sub>C



Reference XRD Pattern,  
Graphite



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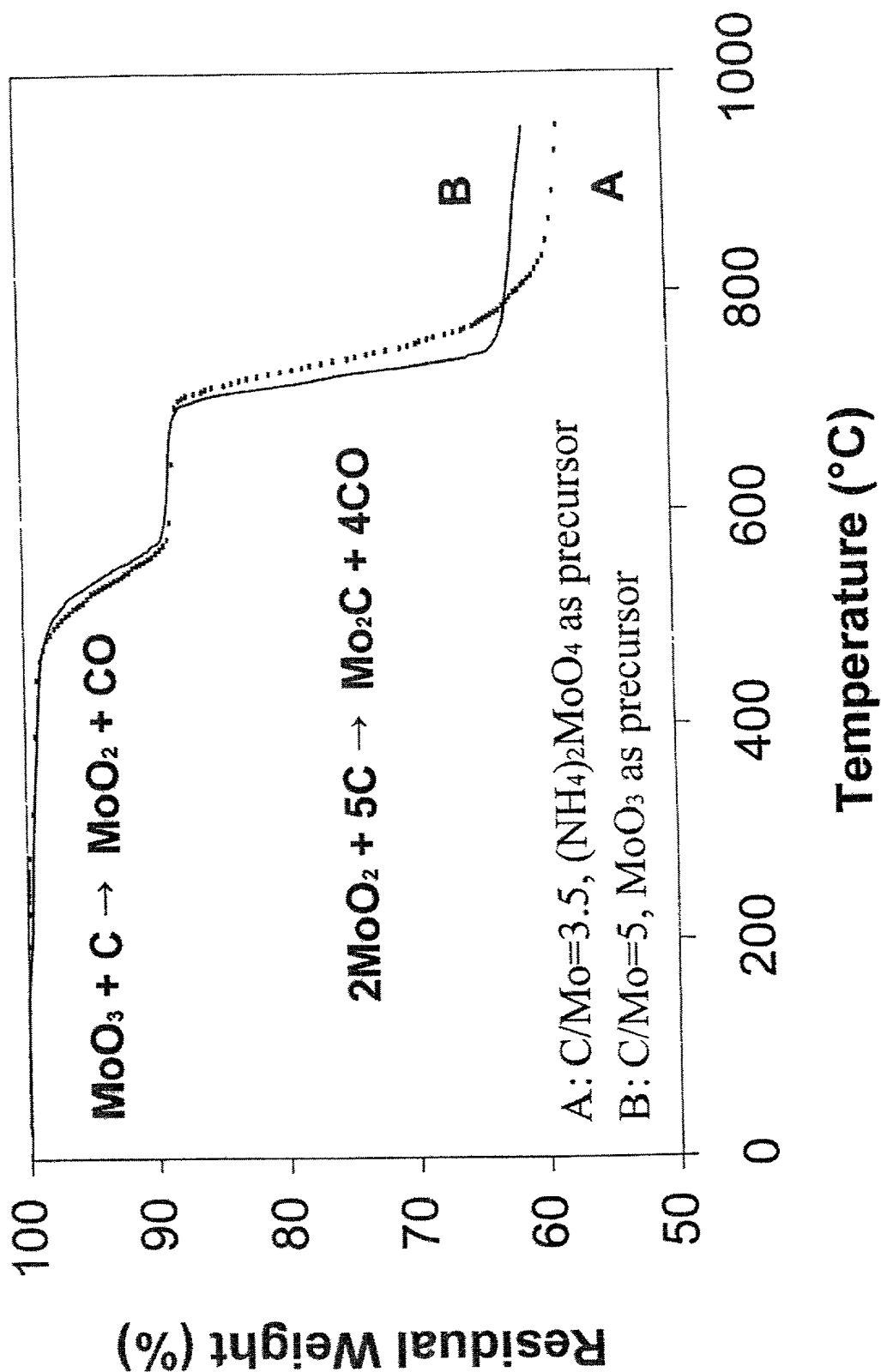
HRTEM Micrograph. Sample 10



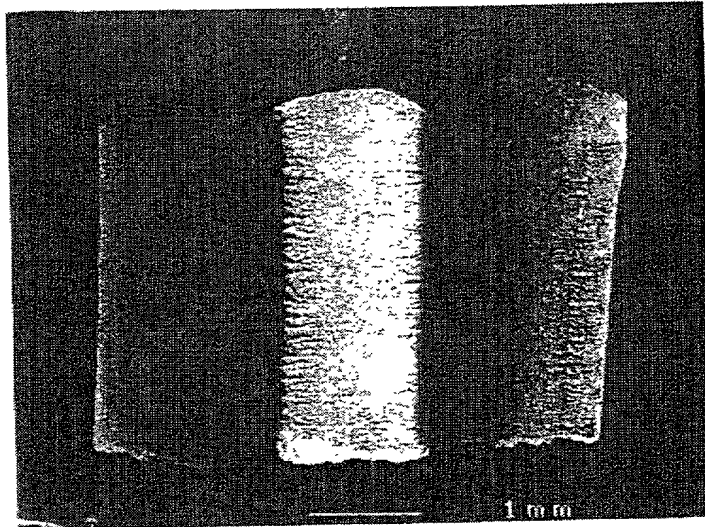
*FIG. 3B*

TOP SECRET 985000F

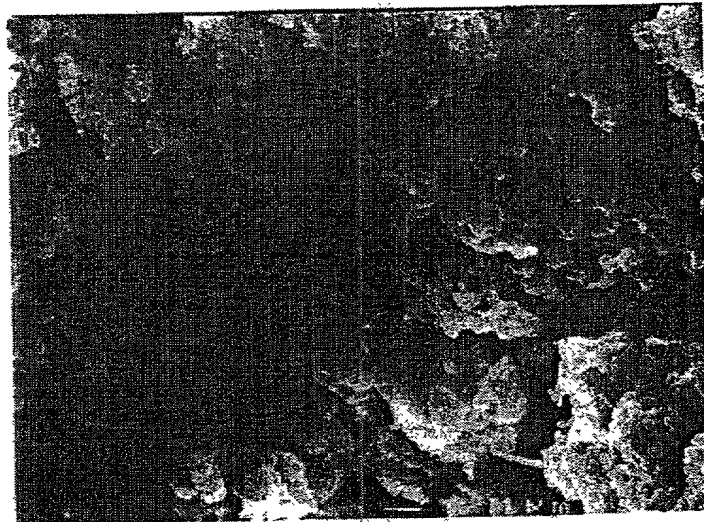
Calcination of C:Mo Precursors



*FIG.5A*



*FIG.5B*



*FIG.5C*



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